

Attorney Docket No.: RU-0124  
Inventors: Breslauer and Gelfand  
Serial No.: 09/869,004  
Filing Date: January 24, 2002  
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1-45 (canceled)

Claim 46 (new): A method of screening for nucleic acid duplex stability comprising measuring changes in FET donor or acceptor intensity of a nucleic acid duplex comprising a first nucleic acid strand labeled with a donor of a FET pair and a second nucleic acid strand labeled with an acceptor of the FET pair in the presence of a target nucleic acid strand.

Claim 47 (new): The method of claim 46 wherein stability of multiple initial nucleic acid duplexes are screened by distinguishably labeling the initial nucleic acid duplexes with different FET pairs so that changes can be monitored via selective fluorescence excitation with different wavelength light and detection of emission at different wavelengths.

Claim 48 (new): The method of claim 47 wherein the first nucleic acid strands of each nucleic acid duplex are labeled with the same FET donor and the second nucleic acid strands are labeled with different FET acceptors.

Claim 49 (new): The method of claim 47 wherein the first

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nucleic acid strands of each nucleic acid duplex are labeled with the same FET acceptor and the second nucleic acid strands are labeled with different FET donors.